Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU030921\
Data File : VU042536.D
Acq On : 09 Mar 2021 12:25
Operator : SY/MD
Sample : VSTDICCC010
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 10 06:05:55 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U030921DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Wed Mar 10 05:59:54 2021
Response via : Initial Calibration

**Instrument :**
MSVOA_U
**ClientSampleId :**
VSTDICCC010

**Manual Integrations APPROVED**
SAM
3/12/2021 5:18:48 PM

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Fluorobenzene | 6.121 | 96 | 20711 | 1.00 | ug/l | # 0.00 |
| System Monitoring Compounds | | | | | | |
| 57) 4-Bromofluorobenzene | 10.639 | 95 | 9757 | 1.17 | ug/l | 0.00 |
| Spiked Amount 1.000 | | | Recovery = 117.00% | | | |
| 68) 1,2-Dichlorobenzene-d4 | 12.201 | 152 | 10003 | 1.18 | ug/l | 0.00 |
| Spiked Amount 1.000 | | | Recovery = 118.00% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.388 | 85 | 88778 | 10.82 | ug/l | 100 |
| 3) Chloromethane | 1.523 | 50 | 76858 | 10.29 | ug/l | 100 |
| 4) Vinyl Chloride | 1.607 | 62 | 75961 | 10.67 | ug/l | 100 |
| 5) Bromomethane | 1.861 | 94 | 44705 | 12.08 | ug/l | 100 |
| 6) Chloroethane | 1.938 | 64 | 46471 | 11.47 | ug/l | 100 |
| 7) Trichlorofluoromethane | 2.144 | 101 | 123831 | 12.10 | ug/l | 100 |
| 8) 1,1,2-Trichloro-1,2,2-... | 2.591 | 101 | 64555 | 11.88 | ug/l | 100 |
| 9) 1,1-Dichloroethene | 2.588 | 96 | 56259 | 11.58 | ug/l | 100 |
| 10) Iodomethane | 2.729 | 142 | 91824 | 12.77 | ug/l | 100 |
| 11) Allyl Chloride | 2.932 | 41 | 106257 | 10.81 | ug/l | 100 |
| 12) Acrylonitrile | 3.327 | 53 | 24004 | 20.00 | ug/l | 100 |
| 13) Acetone | 2.636 | 43 | 40592 | 50.51 | ug/l | 100 |
| 14) Carbon Disulfide | 2.800 | 76 | 181387 | 11.44 | ug/l | 100 |
| 15) Methylene Chloride | 3.054 | 84 | 61348 | 10.16 | ug/l | 100 |
| 16) trans-1,2-Dichloroethene | 3.359 | 96 | 60221 | 11.55 | ug/l | 100 |
| 17) 1,1-Dichloroethane | 3.880 | 63 | 117885 | 11.35 | ug/l | 100 |
| 18) 2-Butanone | 4.729 | 43 | 85061 | 52.94 | ug/l | 100 |
| 19) Cyclohexane | 5.388 | 56 | 108190m | 10.59 | ug/l | |
| 20) Methylcyclohexane | 6.768 | 83 | 104299 | 9.99 | ug/l | 100 |
| 21) 2,2-Dichloropropane | 4.674 | 77 | 110572 | 11.16 | ug/l | 100 |
| 22) cis-1,2-Dichloroethene | 4.678 | 96 | 65456 | 11.29 | ug/l | 100 |
| 23) Diethyl Ether | 2.385 | 59 | 46476 | 11.71 | ug/l | 100 |
| 24) tert-Butyl Alcohol | 3.208 | 59 | 26183 | 89.54 | ug/l | 100 |
| 25) Methyl tert-Butyl Ether | 3.379 | 73 | 157875 | 11.02 | ug/l | 100 |
| 26) Bromochloromethane | 4.986 | 128 | 31415 | 11.88 | ug/l | 100 |
| 27) Chloroform | 5.099 | 83 | 121668 | 11.71 | ug/l | 100 |
| 28) 1,1,1-Trichloroethane | 5.324 | 97 | 114969 | 11.91 | ug/l | 100 |
| 29) 1,1-Dichloropropene | 5.533 | 75 | 85430 | 9.96 | ug/l | 100 |
| 30) Carbon Tetrachloride | 5.530 | 117 | 97304 | 10.94 | ug/l | 100 |
| 31) Isopropyl Ether | 4.012 | 45 | 208740 | 10.85 | ug/l | 100 |
| 32) Ethyl-t-butyl ether | 4.520 | 59 | 186937 | 10.85 | ug/l | 100 |
| 33) Tert-Amyl methyl ether | 5.961 | 73 | 151303 | 9.60 | ug/l | 100 |
| 34) Propionitrile | 4.800 | 54 | 20505 | 50.93 | ug/l | 100 |
| 35) Benzene | 5.781 | 78 | 239224 | 10.39 | ug/l | 100 |
| 36) 1,2-Dichloroethane | 5.806 | 62 | 90260 | 10.77 | ug/l | 100 |
| 37) Trichloroethene | 6.552 | 130 | 66660 | 10.75 | ug/l | 100 |
| 38) 1,2-Dichloropropane | 6.803 | 63 | 66154 | 10.54 | ug/l | 100 |
| 39) Methacrylonitrile | 4.993 | 41 | 27591 | 11.43 | ug/l | 100 |
| 40) Methyl acrylate | 4.864 | 55 | 37581 | 11.55 | ug/l | 100 |
| 41) Tetrahydrofuran | 5.076 | 42 | 23020 | 22.41 | ug/l | 100 |
| 42) 1-Chlorobutane | 5.465 | 56 | 123124 | 9.81 | ug/l | 100 |
| 43) Dibromomethane | 6.928 | 93 | 38843 | 11.58 | ug/l | 100 |
| 44) Bromodichloromethane | 7.118 | 83 | 90314 | 11.10 | ug/l | 100 |

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Quant Time: Mar 10 06:05:55 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U030921DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Wed Mar 10 05:59:54 2021
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 45) 4-Methyl-2-Pentanone | 7.809 | 43 | 290846 | 52.77 | ug/l | 100 |
| 46) t-1,4-Dichloro-2-butene | 10.845 | 75 | 38517m | 22.00 | ug/l | |
| 47) Methyl methacrylate | 6.977 | 69 | 72622 | 21.33 | ug/l | 100 |
| 48) Ethyl methacrylate | 8.346 | 69 | 71985 | 10.04 | ug/l | 100 |
| 49) Toluene | 7.977 | 92 | 158750 | 10.96 | ug/l | 100 |
| 50) t-1,3-Dichloropropene | 8.221 | 75 | 89243 | 10.82 | ug/l | 100 |
| 51) cis-1,3-Dichloropropene | 7.616 | 75 | 96497 | 10.50 | ug/l | 100 |
| 52) 1,1,2-Trichloroethane | 8.411 | 97 | 51029 | 11.16 | ug/l | 100 |
| 53) 1,3-Dichloropropane | 8.584 | 76 | 89498 | 10.85 | ug/l | 100 |
| 54) 2-Hexanone | 8.700 | 43 | 212121 | 53.09 | ug/l | 100 |
| 55) Dibromochloromethane | 8.819 | 129 | 65489 | 11.82 | ug/l | 100 |
| 56) 1,2-Dibromoethane | 8.935 | 107 | 51797 | 11.44 | ug/l | 100 |
| 58) Tetrachloroethene | 8.562 | 164 | 65821 | 11.85 | ug/l | 100 |
| 59) Chlorobenzene | 9.456 | 112 | 174287 | 11.04 | ug/l | 100 |
| 60) 1,1,1,2-Tetrachloroethane | 9.542 | 131 | 66801 | 11.23 | ug/l | 100 |
| 61) Pentachloroethane | 11.436 | 117 | 55418 | 11.80 | ug/l | 100 |
| 62) Hexachloroethane | 12.484 | 117 | 57365 | 12.24 | ug/l | 100 |
| 63) Ethyl Benzene | 9.578 | 91 | 314814 | 11.01 | ug/l | 100 |
| 64) m/p-Xylenes | 9.703 | 106 | 245825 | 22.90 | ug/l | 100 |
| 65) o-Xylene | 10.108 | 106 | 117319 | 11.14 | ug/l | 100 |
| 66) Styrene | 10.121 | 104 | 204889 | 11.55 | ug/l | 100 |
| 67) Bromoform | 10.301 | 173 | 44428 | 12.57 | ug/l | 100 |
| 69) Isopropylbenzene | 10.491 | 105 | 324566 | 11.39 | ug/l | 100 |
| 70) 1,1,2,2-Tetrachloroethane | 10.793 | 83 | 70787 | 11.70 | ug/l | 100 |
| 71) 1,2,3-Trichloropropane | 10.838 | 75 | 56134m | 11.76 | ug/l | |
| 72) Bromobenzene | 10.790 | 156 | 85510 | 11.79 | ug/l | 100 |
| 73) n-propylbenzene | 10.915 | 120 | 90131 | 11.81 | ug/l | 100 |
| 74) 2-Chlorotoluene | 10.993 | 126 | 79518 | 11.69 | ug/l | 100 |
| 75) 1,3,5-Trimethylbenzene | 11.095 | 105 | 292202 | 11.72 | ug/l | 100 |
| 76) 4-Chlorotoluene | 11.105 | 126 | 83456 | 12.03 | ug/l | 100 |
| 77) tert-Butylbenzene | 11.430 | 119 | 286978 | 11.66 | ug/l | 100 |
| 78) 1,2,4-Trimethylbenzene | 11.475 | 105 | 298683 | 11.89 | ug/l | 100 |
| 79) sec-Butylbenzene | 11.652 | 105 | 378815 | 11.87 | ug/l | 100 |
| 80) Nitrobenzene | 13.217 | 77 | 10652 | 63.55 | ug/l | 100 |
| 81) p-Isopropyltoluene | 11.803 | 119 | 326671 | 12.03 | ug/l | 100 |
| 82) 1,3-Dichlorobenzene | 11.755 | 146 | 165524 | 12.03 | ug/l | 100 |
| 83) 1,4-Dichlorobenzene | 11.845 | 146 | 168426 | 12.12 | ug/l | 100 |
| 84) n-Butylbenzene | 12.218 | 91 | 311436 | 12.01 | ug/l | 100 |
| 85) 1,2-Dichlorobenzene | 12.221 | 146 | 163668 | 12.19 | ug/l | 100 |
| 86) 1,2-Dibromo-3-Chloropr... | 13.005 | 75 | 14499 | 11.76 | ug/l | 100 |
| 87) 1,2,4-Trichlorobenzene | 13.848 | 180 | 119982 | 11.79 | ug/l | 100 |
| 88) Hexachlorobutadiene | 14.031 | 225 | 73372 | 12.55 | ug/l | 100 |
| 89) Naphthalene | 14.095 | 128 | 213751 | 11.33 | ug/l | 100 |
| 90) 1,2,3-Trichlorobenzene | 14.340 | 180 | 114332 | 12.22 | ug/l | 100 |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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